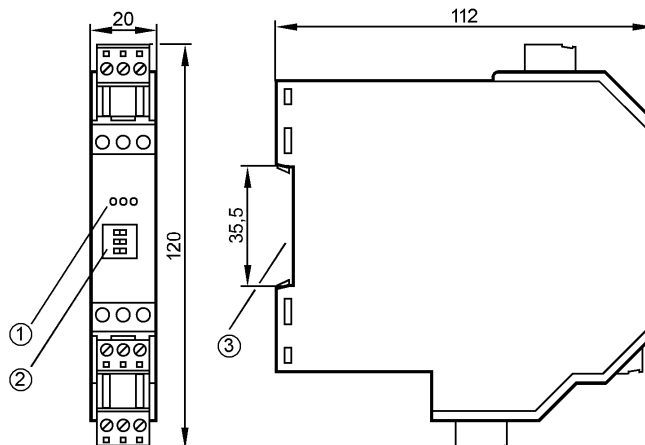




- 1: LED
2: selector switch
3: Mounting on DIN rail



Product characteristics

Switching amplifier for Namur sensors according to 94/9/EG (ATEX)

ATEX approval

Group II, category (1) G D

1-channel

Relay output

Programmable output function

Short-circuit and wire monitoring

Electrical data

Electrical design		AC
Operating voltage	[V]	115 AC (45...65 Hz)
Voltage tolerance	[%]	-10 / +10
Power consumption	[VA]	1.0

Outputs

Output function	relay (1 changeover contact)	
Switching frequency	[Hz]	10
Contact rating	253 V AC / 2 A / $\cos \phi > 0.7$ // 40 V DC / 2 A; ohmic resistance	
Switch points	1.2...2.1 mA	

Environment

Ambient temperature	[°C]	-20...60
Protection	IP 20	

Tests / approvals

Approval	PTB 02 ATEX 2035	
Marking of the unit	II (1) G D [Ex ia] IIC	
EMC	EN 50081-2 1993 / EN 50082-2 1995	
MTTF	[Years]	458

Safety classification

Maximum values for control circuit

Designation	in protection rating intrinsic safety [Ex ia] IIC, [Ex ia] IIB, [Ex ib] IIC, [Ex ib] IIB	
Voltage	[V]	10.6
Current	[mA]	19.1
Power	[mW]	51

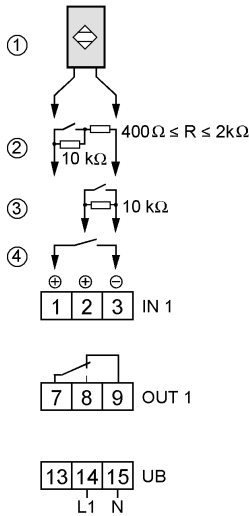
in protection rating intrinsic safety			
[Ex ia] IIC	[Ex ia] IIB	[Ex ib] IIC	[Ex ib] IIB

**N0030A - Switching amplifier for Namur sensors according to 94/9/EG (ATEX) - eclass:
27279213 / 27-27-92-13**

External inductance	97 mH	390 mH	97mH	390 mH
External capacitance	2.32 µF	16.2 µF	2.32 µF	16.2 µF
Mechanical data				
Weight	[kg]	0.19		
Displays / operating elements				
Operation	LED	green		
Output status indication	LED	yellow		
Function display	LED	red		
Electrical connection				
Connection	terminals up to 2.5 mm²			

Wiring

- 1: switch S3 in position I
2: switch S3 in position I
3: switch S3 in position I;
without short-circuit monitoring
4: switch S3 in position II;
without short-circuit and wire monitoring



Remarks	Please note: The control monitor must be mounted outside the hazardous area! Free terminals must not be used.
Remarks	
Pack quantity	[piece] 1